



## Product Catalogue

Data Collection Device Manufacturer and Solution Provider

**Cortex** Control Solution

*Sister Concern of*



**GENERAL AUTOMATION LTD.**

Automation & Communication

Since 1991

# CHAINWAY

As a leading "Internet of Things" company in China, Shenzhen Chainway Information Technology Co., Ltd is a professional provider of products and solutions of RFID, barcode and biometrics technologies. We are dedicated to helping clients of all industries enhance efficiency, maximize productivity and reduce operational cost.



Handheld Computers



Handheld RFID Readers



Wearable RFID Reader



Fixed RFID Readers



Desktop RFID Reader



UHF RFID Modules



Rugged Tablet



Vehicle Computers

**Cortex Control Solution**

*Sister Concern of*



**GENERAL AUTOMATION LTD.**  
Automation & Communication

Since 1991



# Handheld Computers

C66 / C61 / C60 / C90 / C6000  
C71 / C70 / C75



**Cortex Control Solution**

*Sister Concern of*

 **GENERAL AUTOMATION LTD.**  
Automation & Communication Since 1991



Fingerprint

Volume Measurement



## C66 Handheld Computer

<b>Operating System / CPU / Ram+Rom</b>	1) Android 11 Qualcomm Snapdragon™ 662 2.0 GHz Octa-core 3GB+32GB / 4GB+64GB / 6GB+128GB 2) Android 9 Qualcomm Snapdragon™ 450 1.8 GHz Octa-core 3GB+32GB / 4GB+64GB
<b>Dimensions</b>	160.0 x 76.0 x 15.5 / 17.0 mm
<b>Display</b>	5.5-inch IPS Display
<b>Battery</b>	4200mAh Removable Main Battery; Support QC3.0 and RTC, Charging time: only 2.5 hours; 5200 mAh optional pistol battery
<b>Functions</b>	Barcode Scanning / UHF RFID / Fingerprint Recognition/ Volume Measurement / NFC / Camera(some are optional)

**Optional Accessories** Pistol Grip、 Vehicle Charge Cradle、 Wrist Strap、 Rubber Bumper、 Screen Protector、 Main Battery、 Pistol Battery、 Charging Cradle、 Type C & Pogo Pin I/O Connector、 4-slots Charging Cradle Set、 Rugged Rubber Boot with Hand Strap / Belt Clip

**Fingerprint (Android 11)** Accurate Fingerprint Reading, enables secure data encryption and fake finger detection  
5200mAh Removable Main Battery  
Support Barcode Scanning and NFC

**Volume Measurement (Android 11)** Measurement speed up to 2s/ piece, Measurement Error<5%  
Measured distance: 40CM-4M  
5200mAh Removable Main Battery  
Support Barcode Scanning and NFC



## C61 Handheld Computer

<b>Operating System / CPU / Ram+Rom</b>	1) Android 11, Qualcomm Snapdragon™ 662 2.0 GHz Octa-core 3GB+32GB / 4GB+64GB / 6GB+128GB 2) Android 9, Qualcomm 1.8 GHz Octa-core 3GB+32GB / 4GB+64GB
<b>Dimensions</b>	202 x 72.5 x 32 mm
<b>Keyboard</b>	27 keys / 37 keys / 47 keys
<b>Display</b>	4-inch Display (480 x 800)
<b>Battery</b>	6700 mAh Removable Main Battery, support QC3.0 and RTC, Charging time: only 3 hours Optional Trigger Handle (Extended 5200mAh Battery)
<b>Optional</b>	Built in 100mAh backup battery, supporting battery hot swap
<b>Accessories</b>	Pistol Grip, Wrist Strap, Rugged Rubber Boot with Hand Strap / Belt Clip Main Battery, Pistol Battery, Charging Cradle, 4-slots Charging Cradle Set
<b>Functions</b>	Barcode Scanning / UHF RFID / NFC / Camera (some are optional)
<b>Cold</b>	Operating Temp.: -30 °C to +50 °C



## C71 Handheld Computer

<b>Operating System / CPU / Ram+Rom</b>	1) Android 11, Cortex-A53 2.3GHz Octa-core 3GB+32GB / 4GB+64GB / 6GB+128GB 2) Android 8.1, Cortex-A53 2.5GHz Octa-core 3GB+32GB / 4GB+64GB
<b>Dimensions</b>	164.2 x 78.8 x 17.0 mm
<b>Display</b>	5.2-inch 1080p FHD Display
<b>Battery</b>	5000mAh Battery, Continuous use: over 12 hours, Charging time: only 3-4 hours
<b>Optional</b>	Charging Cradle, 4-slots Charging Cradle Set,
<b>Accessories</b>	Screen Protector, Rugged Rubber Boot
<b>Functions</b>	Barcode Scanning / Biometric Identification (Fingerprint / Iris / Face) / NFC / HF RFID / PSAM / Camera / Infrared Thermometer (some are optional)



## C60 Handheld Computer

<b>Operating System /</b>	1) Android 11, Cortex-A53 2.0GHz Octa-core 3GB+32GB / 4GB+64GB / 6GB+128GB
<b>CPU / Ram+Rom</b>	2) Android 10, Qualcomm 1.8GHz Octa-core 3GB+32GB / 4GB+64GB
<b>Dimensions</b>	159.5 x 65.7 x 16.8 mm
<b>Weight</b>	Only 219g
<b>Display</b>	4-inch (18:9), IPS LTPS 1080*540
<b>Battery</b>	4350 mAh Removable Main Battery
<b>Optional Accessories</b>	Main Battery, Charging Cradle, Insert for Cradle, 4-slots Charging Cradle Set, Screen Protector, Rugged Rubber Boot with Hand Strap / Belt Clip
<b>Functions</b>	Barcode Scanning / UHF RFID / NFC / Front and Rear Camera (some are optional)



## C90 Handheld Computer

<b>Operating System</b>	Android 10
<b>CPU</b>	Cortex-A53 2.0GHz Octa-core
<b>Ram+Rom</b>	2GB+16GB / 3GB+32GB / 3GB+64GB / 4GB+64GB
<b>Dimensions</b>	158.5 x 76.0 x 13.1 mm
<b>Display</b>	5.7-inch IPS LTPS Display
<b>Battery</b>	5000mAh Battery Continuous use: over 12 hours, Charging time: only 2.5 hours
<b>WIFI</b>	2.4G/5G dual-band WiFi, 4G Network Bluetooth 5.0, BLE
<b>Optional Accessories</b>	Charging Cradle, Holster, Lanyard
<b>Functions</b>	Barcode Scanning / NFC / Front and Rear Camera (some are optional)



## C6000 Handheld Computer

<b>Operating System</b>	Android 10
<b>CPU</b>	Cortex-A53 2.0GHz Octa-core
<b>Ram+Rom</b>	3GB+32GB / 2GB+16GB
<b>Diemensions</b>	157.6 x 73.7 x 29 mm
<b>Display</b>	4-inch Display (480 x 800)
<b>Sealing</b>	2m Drop Proof / IP65
<b>Battery</b>	4200mAh Removable Main Battery Continuous use: over 12 hours, Charging time: only 3-4 hours
<b>Optional</b>	
<b>Accessories</b>	Pistol, Battery, Charging Cradle, USB Cable, Wrist Strap, Holster, Rugged Rubber Boot
<b>Functions</b>	Barcode Scanning / NFC / Camera (some are optional)



## C70 Handheld Computer

<b>Operating System</b>	Android 11
<b>CPU</b>	Cortex-A53 2.3GHz Octa-core
<b>Ram+Rom</b>	3GB+32GB / 4GB+64GB / 6GB+128GB
<b>Diemensions</b>	163.8 x 79.2 x 13.8 mm
<b>Display</b>	5.2-inch 1080p FHD Display
<b>Sealing</b>	1.8m Drop / IP65/67
<b>Battery</b>	4000mAh Battery Continuous use: over 12 hours, Charging time: only 2-3 hours
<b>Optional</b>	Charging Cradle, Screen Protector
<b>Accessories</b>	Rugged Boot with Handstrap, Holster, Rugged Rubber Boot
<b>Functions</b>	Barcode Scanning / NFC / Iris Scanning / Camera / Infrared Thermometer (some are optional)



## C75 Handheld Computer with Printer

<b>Operating System</b>	Android 11
<b>CPU</b>	Cortex-A53 2.3GHz Octa-core
<b>Ram+Rom</b>	3GB+32GB / 4GB+64GB / 6GB+128GB
<b>Diemensions</b>	186.9 x 84.0 x 35.0-49.5 mm
<b>Display</b>	5.2-inch 1080p FHD Display
<b>Battery</b>	8000mAh Battery
<b>Functions</b>	Thermal Printing / Barcode Scanning / NFC / PSAM / Camera (some are optional)



# UHF RFID Readers

---

**Handheld Readers :**

**C72 / C61 / C66 / C60 / C71 / R6 / R2**

**Wearable Readers : R5 / MR20**

**Cortèx** Control Solution

*Sister Concern of*



**GENERAL AUTOMATION LTD.**  
Automation & Communication

Since 1991



## C72 UHF RFID Reader

<b>Operating System / CPU / Ram+Rom</b>	1) Android 11 Cortex-A53 2.3 GHz Octa-core RAM+ROM: 3GB+32GB / 4GB+64GB / 6GB+128GB
<b>Ram+Rom</b>	2) Android 8.1 Cortex-A53 2.5 GHz Octa-core 3GB+32GB / 4GB+64GB
<b>Display</b>	5.2-inch 1080p FHD Display
<b>Battery</b>	8000mAh Battery
<b>UHF RFID</b>	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000 Read Range: > 15 m (Open Outdoors, Impinj MR6 Tag)
<b>Other Functions</b>	Barcode Scanning / NFC / Camera (some are optional)



## C61 UHF RFID Reader

<b>Operating System / CPU / Ram+Rom</b>	1) Android 11, Qualcomm Snapdragon™ 662 2.0 GHz Octa-core 3GB+32GB / 4GB+64GB / 6GB+128GB
<b>Ram+Rom</b>	2) Android 9, Qualcomm Snapdragon™ 450 1.8 GHz Octa-core 3GB+32GB / 4GB+64GB
<b>Keyboard</b>	27 keys / 37 keys / 47 keys
<b>Display</b>	4-inch Display (480 x 800)
<b>Battery</b>	6700 mAh Removable Main Battery Optional Trigger Handle (Extended 5200mAh Battery) Built in 100mAh backup battery, supporting battery hot swap Support QC3.0 and RTC, Charging time: only 3 hours
<b>UHF RFID</b>	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000 Read Range: > 15 m (Open Outdoors, Impinj MR6 Tag)
<b>Other Functions</b>	Barcode Scanning / NFC / Camera (some are optional)



C66+R6

## C66 UHF RFID Reader

<b>Operating System / CPU / Ram+Rom</b>	1) Android 11 Qualcomm SnapdragonTM 662 2.0 GHz Octa-core 3GB+32GB / 4GB+64GB / 6GB+128GB
<b>Ram+Rom</b>	2) Android 9 Qualcomm SnapdragonTM 450 1.8 GHz Octa-core 3GB+32GB / 4GB+64GB
<b>Display</b>	5.5-inch IPS Display
<b>Battery</b>	4200mAh Removable Main Battery, 5200 mAh pistol battery Support QC3.0 and RTC, Charging time: only 2.5 hours
<b>UHF RFID</b>	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000 Read Range: > 15 m (Open Outdoors, Impinj MR6 Tag)
<b>Other Functions</b>	Barcode Scanning / NFC / Camera (some are optional)



## C60 UHF RFID Reader

<b>Operating System</b>	Android 10
<b>CPU</b>	Qualcomm 1.8GHz Octa-core
<b>Ram+Rom</b>	3GB+32GB / 4GB+64GB
<b>Display</b>	4-inch (18:9), IPS LTPS 1080 x 540
<b>Battery</b>	4350 mAh Removable Main Battery, 5200 mAh pistol battery (UHF version optional)
<b>UHF RFID</b>	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000 Read Range: Up to 15 m (open outdoors, Impinj MR6 tag)
<b>Other Functions</b>	Barcode Scanning / UHF RFID / NFC / Front and Rear Camera (some are optional)



## C66 Built-in UHF RFID Reader

<b>Operating System</b>	Android 11
<b>CPU</b>	Qualcomm Snapdragon™ 662 2.0 GHz Octa-core
<b>Ram+Rom</b>	3GB+32GB / 4GB+64GB / 6GB+128GB
<b>Dimensions</b>	160.0 x 76.0 x 17.0 mm
<b>Display</b>	5.5-inch IPS Display
<b>Battery</b>	4200mAh Removable Main Battery Support QC3.0 and RTC, Charging time: only 2.5 hours
<b>UHF RFID</b>	CM510-1 module based on Impinj E510 Read Range: 3 m
<b>Other Functions</b>	Barcode Scanning / NFC / Camera (some are optional)



## C71 Built-in UHF RFID Reader

<b>Operating System</b>	1) Android 11
<b>System / CPU /</b>	Cortex-A53 2.3GHz Octa-core
<b>Ram+Rom</b>	3GB+32GB / 4GB+64GB / 6GB+128GB
	2) Android 8.1
	Cortex-A53 2.5GHz Octa-core
	3GB+32GB / 4GB+64GB
<b>Display</b>	5.2-inch 1080p FHD Display
<b>Battery</b>	5000mAh Battery Continuous use: over 12 hours, Charging time: only 3-4 hours
<b>UHF RFID</b>	CM-Q; CM310-1, module based on Impinj E310 Read Range Up to 4m (depend on tags and environment)
<b>Other Functions</b>	Barcode Scanning / NFC / Camera (some are optional)



## R5 Wearable BT RFID Reader

<b>SDK</b>	Support Android / iOS
<b>Dimensions</b>	108 x 78 x 18 mm
<b>Sealing</b>	IP65 / 1.2m Drop
<b>Battery</b>	2000 mAh Removable Battery
<b>Communication</b>	Bluetooth 4.0, BLE / USB Type-C
<b>Optional</b>	Main Battery, Charging Cradle, Charging Cradle for Battery
<b>Accessories</b>	Battery, Wrist strap, Arm Strap, Magnetic Handle
<b>UHF RFID</b>	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000 Read Range: > 9 m (depend on tags and environment)



## MR20 Wearable BT RFID Reader

<b>Dimensions</b>	50 x 62 x 19 mm
<b>Weight</b>	64 g / 2.26 oz. ( with glove: 90 g / 3.17 oz. )
<b>Color</b>	Yellow, Blue, Gray
<b>Battery</b>	1200mAh Removable Battery
<b>Communication</b>	Bluetooth 5.0 / USB Type-C
<b>Optional Accessories</b>	Glove, Wristband, Lanyard, Charging Cradle for Battery
<b>UHF RFID</b>	CM310-1, module based on Impinj E310 CM510-1, module based on Impinj E510 CM-Q Read Range: 80cm (depend on tags and environment)



## R6 UHF RFID Sled Reader

<b>SDK</b>	Support Android / iOS
<b>Battery</b>	5200mAh Battery
<b>WIFI</b>	Bluetooth 4.0, BLE
<b>UHF RFID</b>	CM710-1, module based on Impinj E710 CM2000-1, module based on Impinj Indy R2000 Read Range: > 10 m (Open Outdoors, Impinj MR6 Tag)
<b>Other Functions</b>	Barcode Scanning (optional )



## R2 Bluetooth UHF RFID Reader

<b>SDK</b>	Support Android / iOS
<b>Diemensions</b>	282 x 117.5 x 32 mm
<b>Display</b>	1.77-inch Display, 128 x 160
<b>Battery</b>	5200mAh Battery
<b>Communication</b>	Bluetooth 4.0, BLE
<b>UHF RFID</b>	CM710-1, module based on Impinj E710 CM2000-1, module based on Impinj R2000 Storage: 50000 tags Read Range: > 15 m (Open Outdoors, Impinj MR6 Tag)
<b>Other Functions</b>	Barcode Scanning (optional )



## Fixed UHF RFID Readers

UR4 / URA4 / URA8

---

## Desktop UHF RFID Reader

R3

**Cortex** Control Solution

*Sister Concern of*



**GENERAL AUTOMATION LTD.**  
Automation & Communication

Since 1991



## UR4 Fixed UHF RFID Reader (4-port)

<b>Dimensions</b>	102.8 x 102.8 x 28 mm
<b>Interface</b>	RS-232, RJ45, GPIO
<b>Power</b>	DC (12V)
<b>UHF RFID</b>	CM710-4, module based on Impinj E710 CM2000-4, module based on Impinj Indy R2000



## URA4 Fixed Android RFID Reader (4-port)

<b>Operating System</b>	Android 9
<b>CPU</b>	Qualcomm 1.8GHz Octa-core
<b>Ram+Rom</b>	2GB+16GB / 3GB+32GB
<b>Dimensions</b>	214 x 148 x 30 mm
<b>Interface</b>	HDMI, RS-232, RJ45, USB2.0 Type A, USB Type-C, USB Host, GPIO
<b>WIFI</b>	Support 4G / WiFi
<b>Power</b>	DC (12V) / POE / POE+
<b>UHF RFID</b>	CM710-4, module based on Impinj E710 CM2000-4, module based on Impinj Indy R2000



## URA8 Fixed Android RFID Reader (8-port)

<b>Operating System</b>	Android 9.
<b>CPU</b>	Qualcomm 1.8GHz Octa-core
<b>Ram+Rom</b>	2GB+16GB / 3GB+32GB / 4GB+64GB
<b>Diemensions</b>	162 x 95 x 22 mm
<b>Interface</b>	HDMI, RS-232, RJ45, USB2.0 Type A, USB Host, GPIO
<b>WIFI</b>	Support 4G / WIFI
<b>POWER</b>	DC (12V) / POE / POE+
<b>UHF RFID</b>	CM710-8, module based on Impinj E710 CM2000-8, module based on Impinj Indy R2000



## R3 Desktop UHF Reader

<b>SDK</b>	Support Windows / Android / iOS
<b>Diemensions</b>	318 x 318 x 20 mm
<b>Sealing</b>	IP65
<b>Communication</b>	Bluetooth 4.0, BLE
<b>Power</b>	USB Type-C USB Type-C
<b>UHF RFID</b>	Read Range: 0 – 45 cm

# UHF RFID Modules

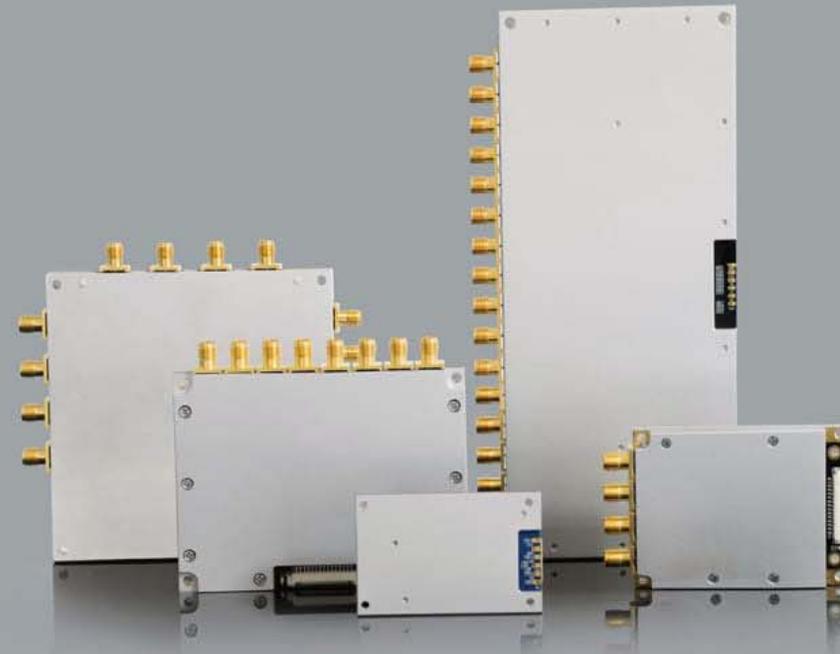
UHF RFID Modules

CM710 - 1 / 4 / 8 / 16

CM510 - 1 / 4 / 8 / 16

CM310 - 1 / 4 / 8 / 16

CM2000 - 1 / 4 / 8 / 16



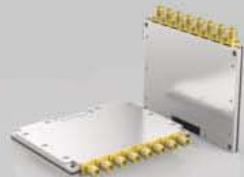
Single Port UHF RFID Reader Module



4-port UHF RFID Reader Module



8-port UHF RFID Reader Module



16-port UHF RFID Reader Module



- Industry-leading Impinj Chip
- Excellent Reading Performance
- Strong Stability and Monitoring System
- Superior Heat Dispersion Capacity
- Low Power Consumption
- Outstanding Consistency
- Easy Application Development

**Cortex** Control Solution

*Sister Concern of*



**GENERAL AUTOMATION LTD.**  
Automation & Communication

Since 1991

# P80 Rugged Tablet

Rugged Tablets



**Operating System** 1) Android 9  
**CPU** Qualcomm 2.0GHz Octa-core  
**Ram+Rom** 3GB+32GB / 4GB+64GB  
 2) Android 7.1  
 Qualcomm 1.8GHz Octa-core  
 2GB+16GB / 3GB+32GB

**Diemensions** 250.8 x 152.0 x 15.0 mm

**Display** 8-inch 1920 x 1200 IPS / 1280 x 800 IPS  
 Display

**Battery** 8000 mAh Battery

**Optional** Pistol, Mounting Bracket, Wristband,  
**Accessories** Rugged Rubber Boot, Charging Cradle for Device, Insert for P80 Cradle Cup

## Optional Functions

**UHF RFID 1/2** CM710-1 module based on Impinj E710  
 CM510-1 module based on Impinj E510  
 CM2000-1 module based on Impinj Indy R2000  
 UHF 1: Up to 10 m ; UHF 2: Up to 15 m (open outdoors, Impinj MR6 tag)

**UHF RFID 3** CM310-1 module based on Impinj E310  
 CM500-1 module based on Impinj Indy R500  
 Read Range: 30 cm

**Biometric Identification** Fingerprint / Face

**Other Functions** Barcode Scanning / NFC / HF RFID / InfraRed / PSAM / Camera (some are optional)

# Vehicle Computers



## V600 Vehicle Computer

Vehicle Computer



<b>Operating System</b>	Android 5.1
<b>CPU</b>	Qualcomm 1.3GHz Quad-core
<b>Ram+Rom</b>	1GB+8GB / 2GB+16GB
<b>WIFI</b>	4G / WiFi / Bluetooth
<b>Functions</b>	Fingerprint / Face Recognition / (some are optional) IC Card Reading / Multi-channel Camera / OBD Data Collection / Accurate GPS / Barcode Scanning

## V600S Vehicle Computer

Vehicle Computer



<b>Operating System</b>	Android 5.1
<b>CPU</b>	Qualcomm 1.3GHz Quad-core
<b>Ram+Rom</b>	1GB+8GB / 2GB+16GB
<b>WIFI</b>	4G / WiFi / Bluetooth
<b>Functions</b>	Face Recognition / IC Card (some are optional) Reading / Camera / OBD Data Collection / Accurate GPS

*Sole Distributor for Bangladesh*

# Cortex Control Solution

*A Sister Concern of*



**GENERAL AUTOMATION LTD.**

Automation & Communication

Since 1991

**Corporate Office: Halcyon Heights**

(2nd Floor), 2/3 Mirpur Road, Block-A, Mohammadpur, Dhaka-1207, Bangladesh.

Tel: +88-02-41022433-34, +88-02-41022461, **Hot Line # 01730066010**

E-mail: shkamal@ga-limited.com, reaz@ga-limited.com,  
ishaan@ga-limited.com, rajib@ga-limited.com, Web : [www.ga-limited.com](http://www.ga-limited.com)